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UNITED STATES DEPARTMENT OF AGRICULTURE

Agricultural Research Service.

Soil and Water Conservation Research Branch.

INVENTORY OF AVAILABLE HYDROLOGIC DATA

ON

AGRICULTURAL WATERSHEDS



Plant Industry Station

Beltsville, Maryland

May 1955//



PREFACE

In the reorganization of the research program of the Department of Agriculture, Secretary's Memorandum 1320 Supplement 2 dated November 2, 1953 transferred the research in irrigation engineering and watershed hydrology from the Soil Conservation Service to the Agricultura! Research Service. The work having to do primarily with studies of agricultural hydrology was set to in a new Section of Watershed Hydrology in the Soil and Water Conservation Research Branch.

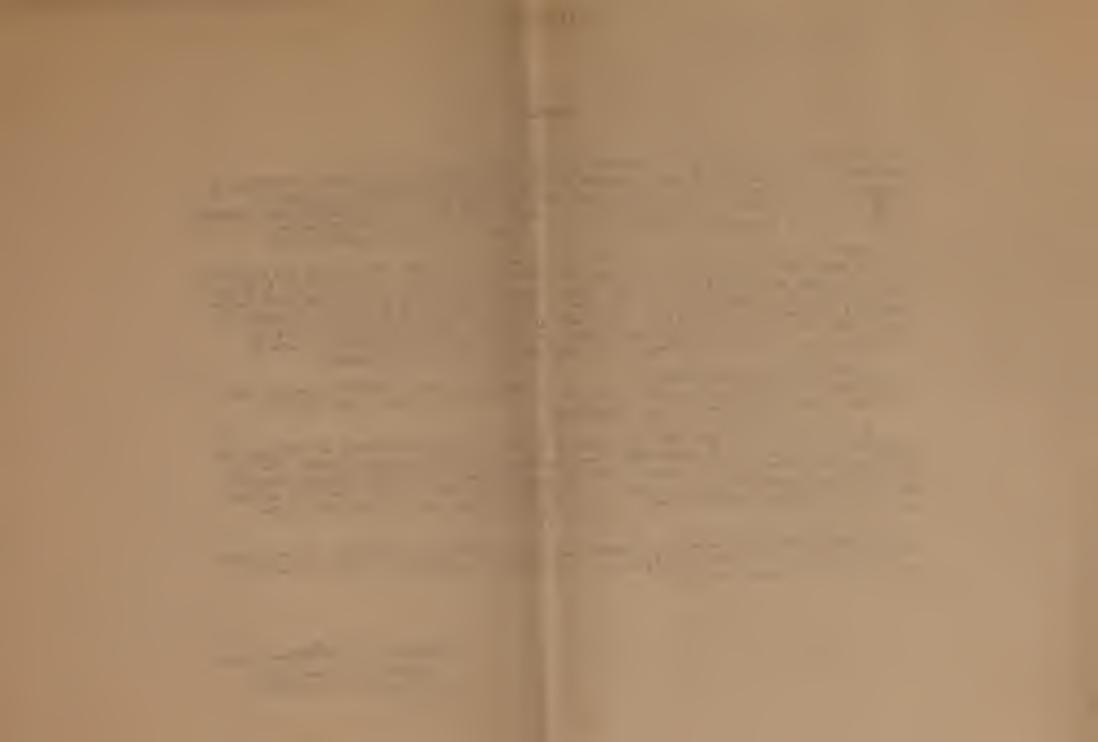
One of the most insistent problems facing the new Section was that of analyzing the back-log of data which had accumulated over the past 20 years. First attention, of course, will be given to the projects which are now operating. Over the years, however, many projects had been started and stopped, and in order to obtain some idea of the size of the job it was deemed advisable to compile a list of the watersheds for which data are available. The accompanying list is the result, and while it no doubt contains inaccuracies and omissions we have decided to make it available at this time rather than wait for the possibility of further refinement.

A preliminary list was prepared and as far as possible was sent to those who have had some contact with the work for suggestions, corrections, and additions. We owe a great deal to everyone who has contributed to this undertaking.

In this inventory it has been our intention to list only natural watersheds as distinguished from plots, although runoff measurements have been made on many plots which are larger than some of the watersheds which have been included. In some of the early work, single terrace intervals were called watersheds but, in general, they have not been included. We have also only included watersheds from which continuous water level records are available for at least part of the period of resord.

We shall greatly appreciate any comments or corrections which may be offered. If we receive enough to make it worthwhile, an addendum will be issued as we are anxious to have and to keep the list as accurate as possible.

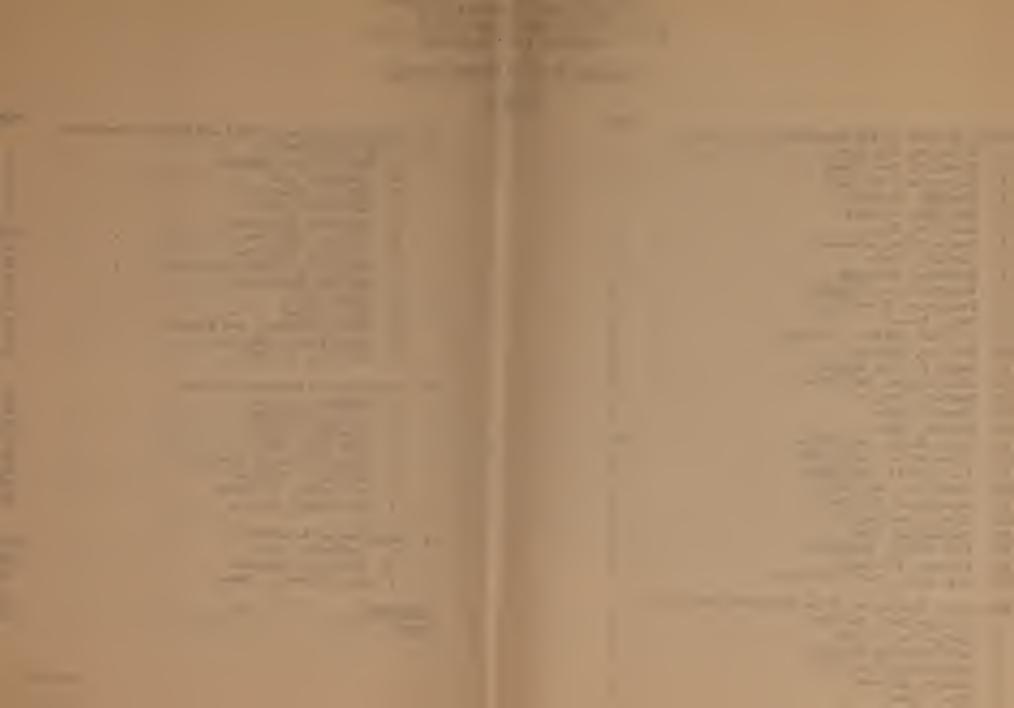
William C. Ackermann, Head Watershed Hydrology Section



Agricultural Research Service Soil and Water Conservation Research Branch Watershed Hydrology Section

INVENTORY OF AVAILABLE HYDROLOGIC DATA

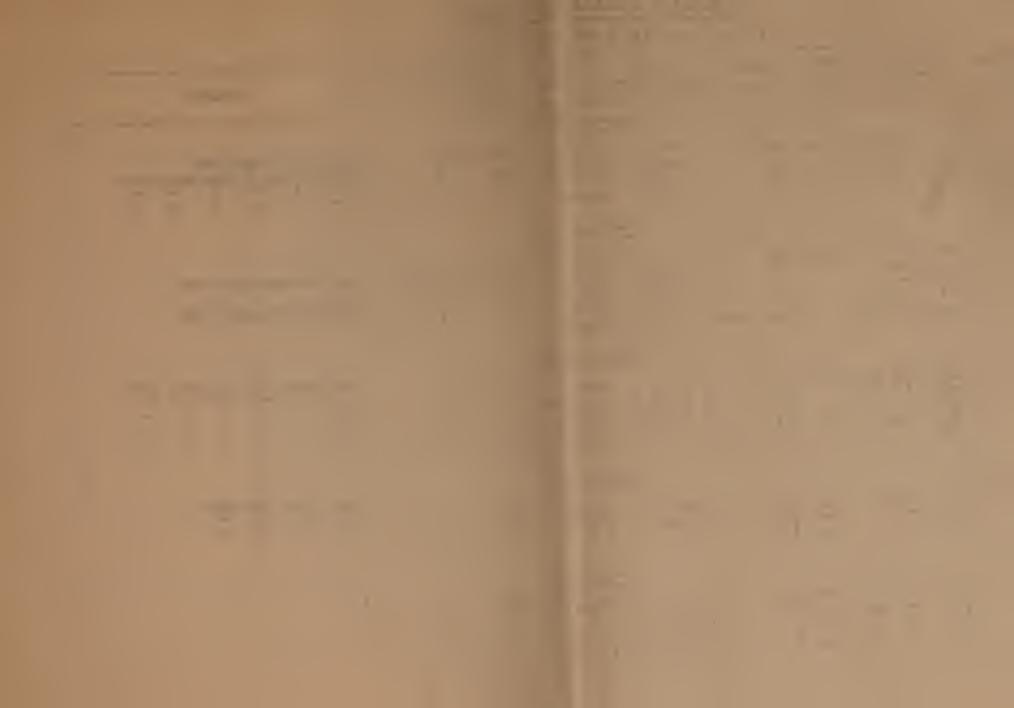
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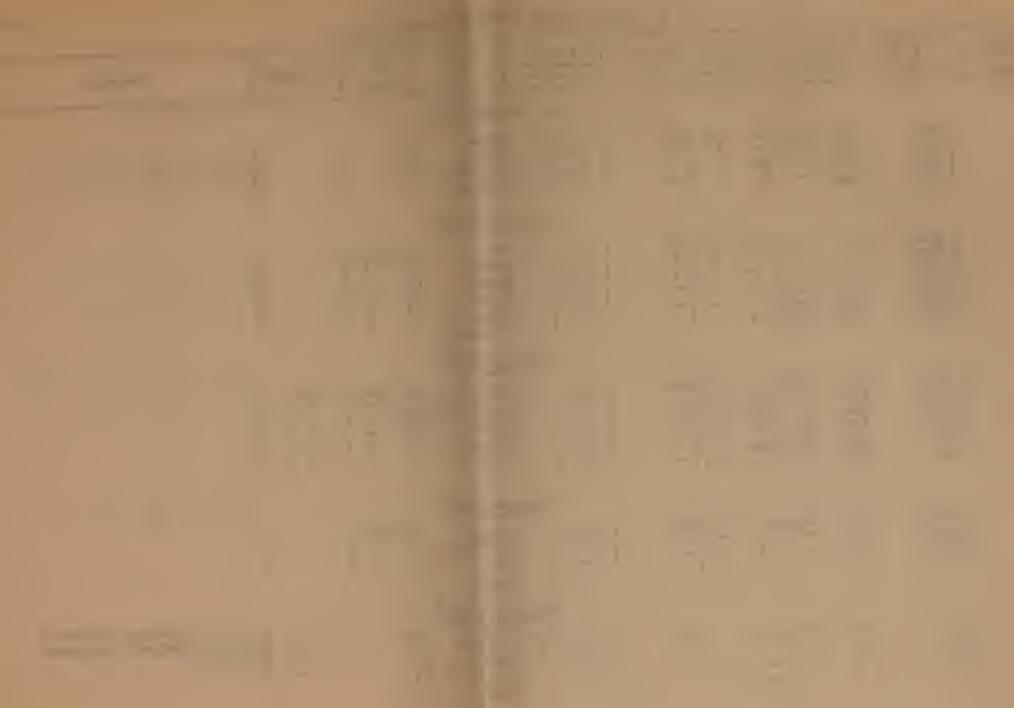
A. Runoff Studies on SCS Demonstration Projects

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference ² /	Remarks
					1. Coho	cton, New York3/	,		
W-I W-II W-III	2215 13.83 24.25 71.49	Apr. 1937 Apr. 1938 Mar. 1938	Oct. 1945	CM 4/ BCW 5/	5-40 5-35 12 2-25 20 2-20 10	Mixed Cult. Strips " "	Good (HWH) Ex. 11 11 11		Continuous since 1950 Peak rates only since March 1950 "" " " " " " " " " " " " " " " " " "
					2. Fre	ehold, N. J.3/			
Vi-1 W-1I W-III W-IV n-VI	17.5 32.9 51.8 102.7 1890	Nov. 1937 Feb. 1938 " " June 1950	Oct. 1943 " " " " Cont.	BCW " " " Drop lnlet	1-10 5 2-10 5 1-10 5 1-10 5	Cult. Terrace Cult. Mixed Cult. Mixed	Ex. (HWH)	TP-60 th tr th th tr tr	Reestablished April 1950 Reestablished April 1950
					3. Hag	erstown, Md.3/			
W-II W-II W-IV W-V	46 80.8 46 5.0 5.0	Apr. 1938 Sept. " Mar. " Apr. 1939	Nov. 1947	BCW te te te	0-28 8 8 8 3-30 10 4. Ch	Mixed Cult. Strips Mixed Cult. Terrace ""	Ex. (HWH) 10 10 10 10 10 10 10 10		Peak rates only since Nov. 1947 If It It IT IT II IT IT IT II IT IT IT II IT IT IT II IT IT II IT IT II IT IT II IT II IT II IT II IT II IT II IT III IT
W-II W-III	13.37 16.06 17.08	July 1938	1948	BCW	5-12 5-12 3-7 5. Am	Mixed rrace """ """ ericus, G1.6/	Good		Peaks only since 1948 n n n n n n
/-II /-III /-II	23.5 42.8 32.0 59.2	July 1938	June 1943 Mac. 1942 " "	BCW 10 10	0.7-13 3 1.2-5 2.5 1.7-8 3 0-1.8 .5	Cotton	Poor		



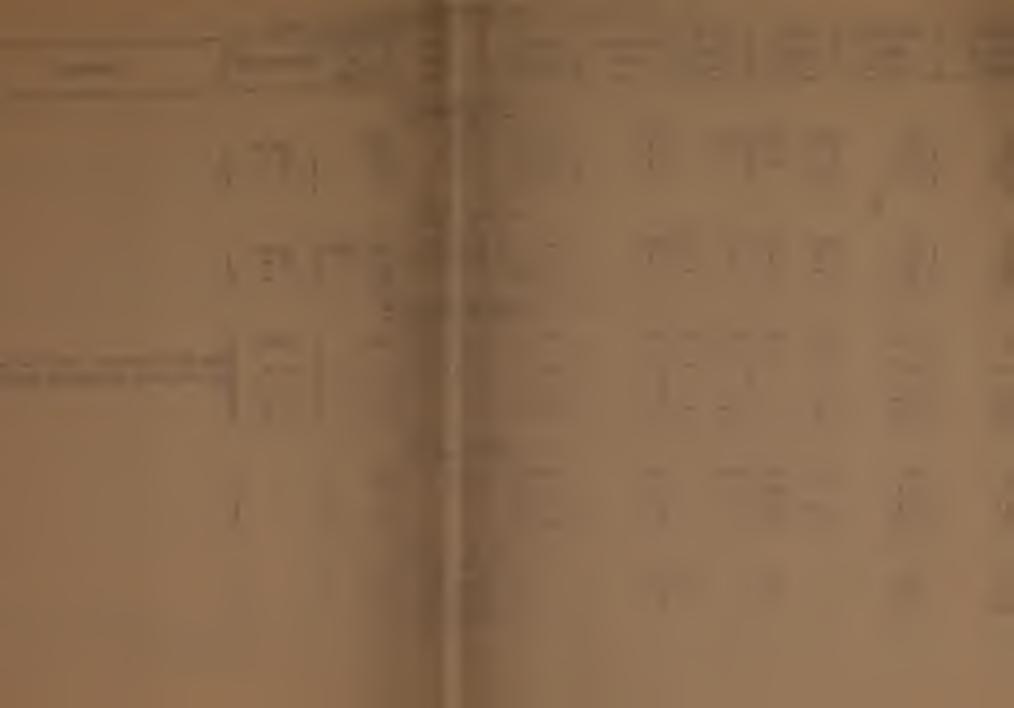
A. Runoff Studies on SCS Demonstration Projects

The state of the s											
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference2/	Remarks		
6. Hamilton, Ohia 7/											
W-II W-III W-IV	186.6 16.2 28.6 20.9	Oct. 1938 July 1938 " " May	May 1944	BCW 10 10 10	5-40 8 2-8 3 1/2	Mixed Pasture Rot. Terrace Cult. Rot.	Good n n				
					7. Benton	nville, Ark 8/					
W-I W-II W-IV W-V V-V	10.3 9.34 14.25 24.0 19.43 10.75	Sept. 1938 "" " Feb. 1939 Sept. 1938	3 11 11	BCW IN IN IN IN	0-14 0-14 2-14 0-2	Mixed Pasture Meadow Woods Strips Rot. Terrace Rot.	Fair (RWB)				
					8. Gar	land, Tex.8/					
W-VI W-II W-IV W-V W-V	25.15 98.9 10.5 15.27 14 15	Dec. " May 1939	S S. t. 1947 June 1942 Sept. 1947 June "	19 19 19	0-2 1-2 2-5 2-5 0-2 0-5	Strips Rot. Cotton Terrace Meadow Corn (Rot.)	Fair (RWB) Poor "Fair "" "" "" "" "" ""	TP-53 19 19 19 19 19 19 19 19 19 19			
					9. Musk	ogee, Okla.8/					
W-II W-III W-IV	14.0 65.4 17.1 25.1	Mar . 1939	Sept. 1947	BCW	0-3 3-7 0-7 3-11	Alfalfa Rot. Terrace " " Pasture	Poor (RWB)				
					10. Edwar	dsville, Ill.7/	•				
W~I W-III W-IV	27.2 50 12.5 290	Mar. 1938	Mar. 1943	BCW 19 19 19	0.4-10 1 0.8-30 5 3-16 7 0.5-35 5	Rot. Cult. Pasture Rot. Terrace Mixed	Good	TP-56	Some soi moisture, infiltration data, and synthetic hydrographs (available.		



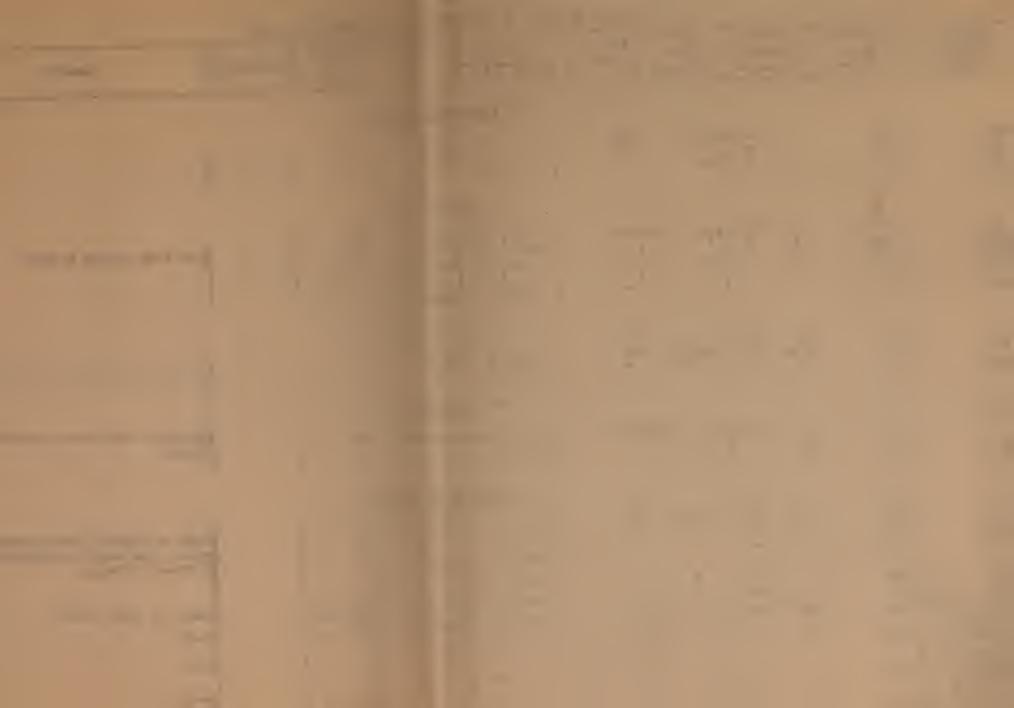
A. Runoff Studies on SCS Demonstration Projects (Continued)

A. RUNOIT Studies on Sos Demonstration Irojecos (comenada)											
Station Name or Number	Drainage Area (Acres)	Date Record Started	200070 1		Slope	Crop or Cover	Validity of Records	Reference ² /	Remarks		
					11. Fenn	imore, Wisc 7/					
W-II W-III W-IV	330 22.8 52.5 171	July 1938 (y June n	Cont. BCW		1-10 6 2-20 8 1-12 6	Mixed " " " " ega, Tex 9/	Good II II	TP-73 11 11 11 11			
M-III M-II M-I	129 96 21	Mar. 1938	Oct. 1943 BCW		0-3 1.5 0-3 1.5 8-50 25	Wheat-Grass Native Grass " "	Good (HKR)	TP-66			
W⊸I	10.6	May 1938	Dec. 1946 BCW		3-8 4	Rot. Strips	Good	TP-66	Some soil moisture, infiltration data,		
W-II	39.7	19 19	र्क रहे 18		1-10 6	Native Grass	19	11 11	and synthetic hydrographs available		
W-III W-IV	35.4 35.6	11 11	11 14 14 19 31 11		2-8 6 4-18 8	19 19	th th	th th			
					14. <u>Sa</u>	fford, Ariz 10/	'				
W-I W-IV W-V	519 682 764 723	May 1939 1 1940 June 1939 Jan. 1939	Cont. BC		0-25 15 0-25 10 0-10 5 10-25 15	Range n u	Good				
					15. <u>San</u>	ta Fe, N. Mex	-				
W-II W-III	141 790 52	1938	1948 BC	1	10 4 19	Woody Past. Short Grass Pinon & Juni	Good 11				

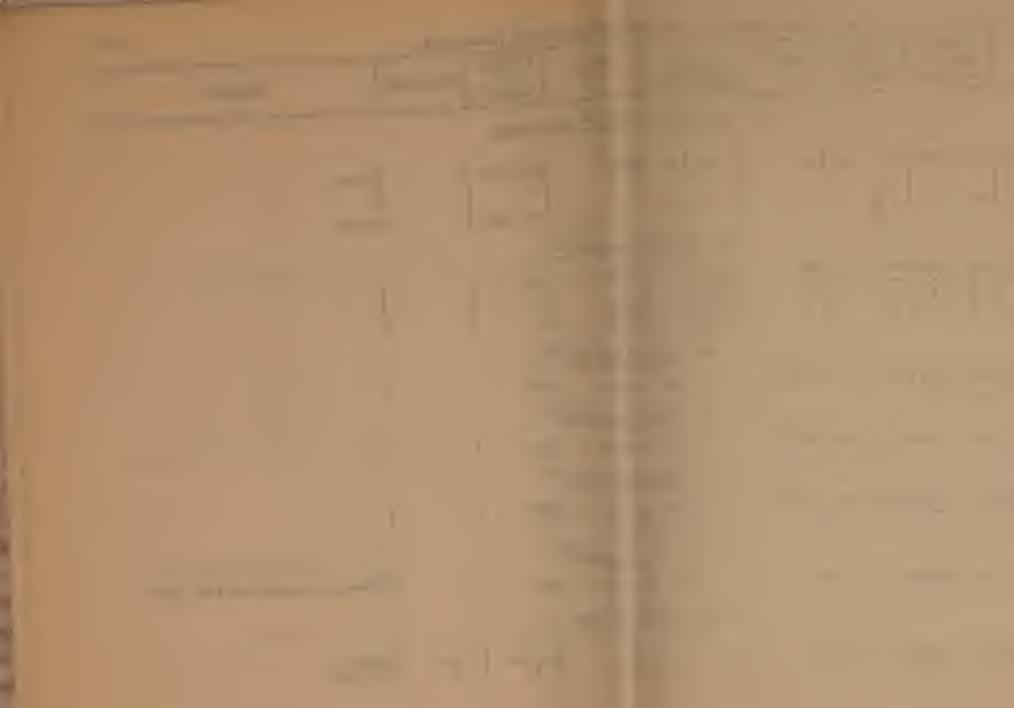


A. Runoff Studies on SCS Demonstration Projects (Continued)

A. Runoff Studies on SCS Demonstration Projects (Continued)											
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference2/	Remarks		
16. Albuquerque, N. Mex.											
W-I W-II W-III	80 40 183	1939	Cont.	BCW	17 14 7	Badlands Grass	Good				
"			•		17. <u>N</u> e	wberg,)re.11	!				
N-II W-III W-IV	13.5 12.7 13.0	July 1938	Apr. 1942	BCW	3-15 10 20-40 30 5-18 12 5-15 10	Orchard Woods Orc. & Cons. Pract. Orchard	Good Fair Good Good		Some deep seepage by weir		
<i>t</i> /-⊥ ∧	, , , ,	•			18. <u>E</u> n	mett, Idaho 11	<u>-/</u>				
W-I W-II	240 70	Aug. 1938	1942 ±	BCW	15-30 20 20-35 25	Range	Good	1			
					19. 1	Moscow, Idaho	11/				
W⊸I	147	Oct. 1937	Apr. 1942	BCW	Sharply rol	-Cultivated	Fair		Snow melt complicates precipitation supply		
					20 . Sant	a Paula, Cali	11/				
W-I W-IV W-VI W-VI Milligan at Berylwood Colorado* at Berylwood Honda* at Berylwood Milligan* at Los Angeles	725 t 1325	Aug. 1938 "" " " " " " " " " " " " " " " " " "	19 19	BCW 11 11 11 11 11 11	25 up 11-25 & up 11 u 2-25 2-40 35 11 29 11 29	Native Grass	Poor n Good (LS) n n Fair		Great difficulty from sediment in wells. Few complete hydrographs due to floats sticking Beans and Grass 30-70 23-77 27-73 54-46		



A. Runoff Studies on SCS Demonstration Projects (Continued)												
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Crop or Cover	Validity of Records	Reference2/	Remarks		
	20. Santa Paula, Calif. (Continued)											
Honda at Perkins Colorado &	1830	Oct. 1934	Jan. 1939	1	2-40	1	Mixed	Fair (LS)		51-49		
Honda at Beardsley	5882	te te	11 11	u	н	19	tŧ	Poor (LS)		48-52		
					21. <u>Wa</u>	tsonv	ille, Calif.	<u>.</u> /				
W-II W-III W-II	15 18 30 16	Sept. 1938	Mar. 1943	BCW 10	11-25 11-25 26-40 26-40		Apples Grass Woods	Good tt				
					22.	Place	erville, Calif	<u>_11</u> /				
Patterson	1 41	Jan. 1936	3 Mar. 1943	PF 15/	1 1	19	Pasture	1Go od	1	1		
Gotthiemer	1 40	Jan. 1936	3 Mar. 1943	PF_15/	1	12	aville, Calif. JOrchard stopol, Calif.	Good	1			
McMonamin Taber	56	Feb. 1936	6 Mar. 1943	PF 15/		18 19	Orchard Pastur	Good				
							ayton, Wash. 11	/		5001		
~I	1 19.2	10ct. 193	9 (Apr. 1942	BCW			Cultive.ted	1Good	1	Between two diversions 500' apart		
					26.	She	nandoah Iowa					
W. Tarkio Cr.* Tarkio R.*	105 sq. mi	June 193	4 June 1940	CM	0-15	7-12	Mixed	U.S.G.S.	TP-42	Treated		



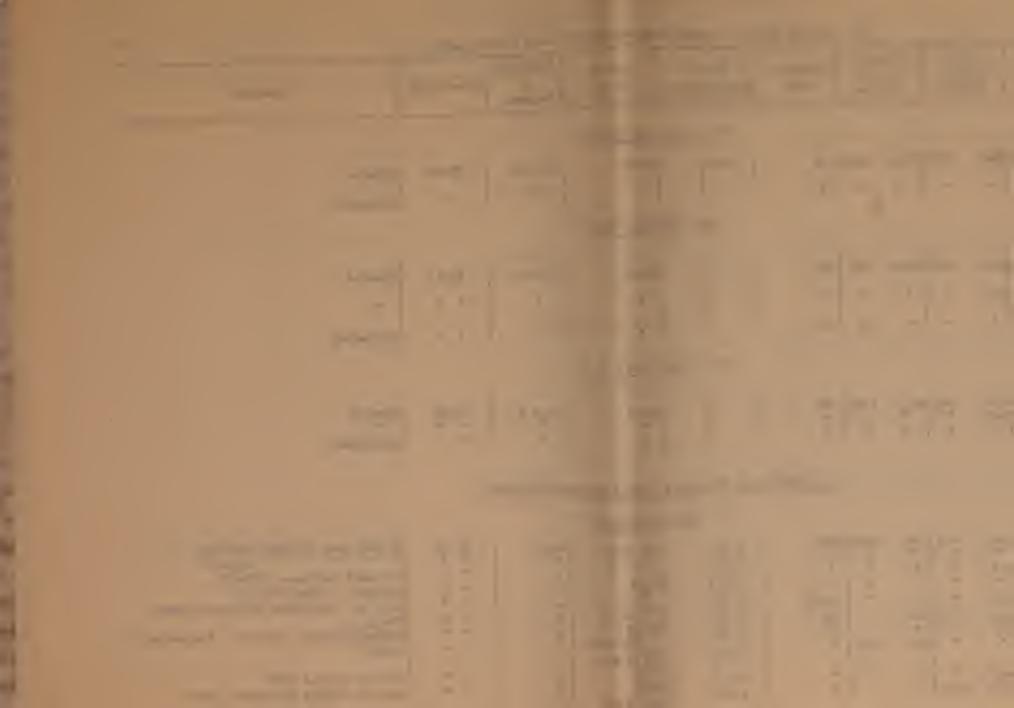
Α.	Runoff	Studies	on	SCS	Demonstration	Projects ((Continued)	
					- OTTOTIS L'IN CITOTI	* 1 0 . 0 0 0 0	COTTOTITUOUS	

Station Name or Number	Drainage Area (Acres	Date Record Started	Date Record Stopped	Station Type	Slope Range Av	Crop or Cover	Validity of Records	Reference ² /	Remarks		
27. Coon Valley, Wisc.											
Coon Creek*	77.2 sq.mi.		Sept. 1940	CM	3-40	Mixed	U.S.G.S.	TP-46	Treated		
LaCrosse*R.	77.1 " "	lu u	15 11	ч	u	n	u	11	Untreated		
-					28.	Pullman, Wash.					
South Fork Palouse R.*	81.1 sq.mi.	May 1934	June 1940	CM		Mixed	U.S.G.S.	TP-47	Treated		
Missouri Flat Cr.* Fourmile	27.5 " "	Apr. "	ս ս	tę.		ų	ų	ti ti	th .		
Creek*	71.9 " "	10 10	u u	10		n	19	u u	Untreated		
					29. <u>H</u>	igh Point, N. C.					
W. Fork* Deep River Muddy Creek* Uharie R.*	32.1 sq.mi. 16.2 " " 11.3 " "	Feb. 1934 May	Se t. 1940	CM tt		Mixed n	U .S .G .S .	TP=48	Treated "Untreated		

B. Hydrologic Studies at State Experiment Stations

1. College Park, Md.

W-I* W-II* 7.44 W-III* 5.02 Oct. W-V* 4.07 June W-VII* 3.53 Aug. W-VIII* 2.43 W-IX* V-X* 12.05 3.04 July	939 Feb . 1958 1	BCW	2=15 0=10 0=15 2=15 2=15 2=15	Rot. Strip Mixed Rot. Strip Pastur > " (Furrows) 2nd growth woods Woods Rot. Strip	Good 87 12 18 18 18 19 11		19 19 19 19 19 19 19 19 19 19 19 19 19 1	Up and down tillage 1946-48 " 1943-45 Cropland terraces 1944-55 Contour 'illage 1944-55 Corn on ridge rows alternate years Check Pasture furrows 1943-51. Renovated 1951 Check Heavely logged 1948 Corn on ridges alternate years
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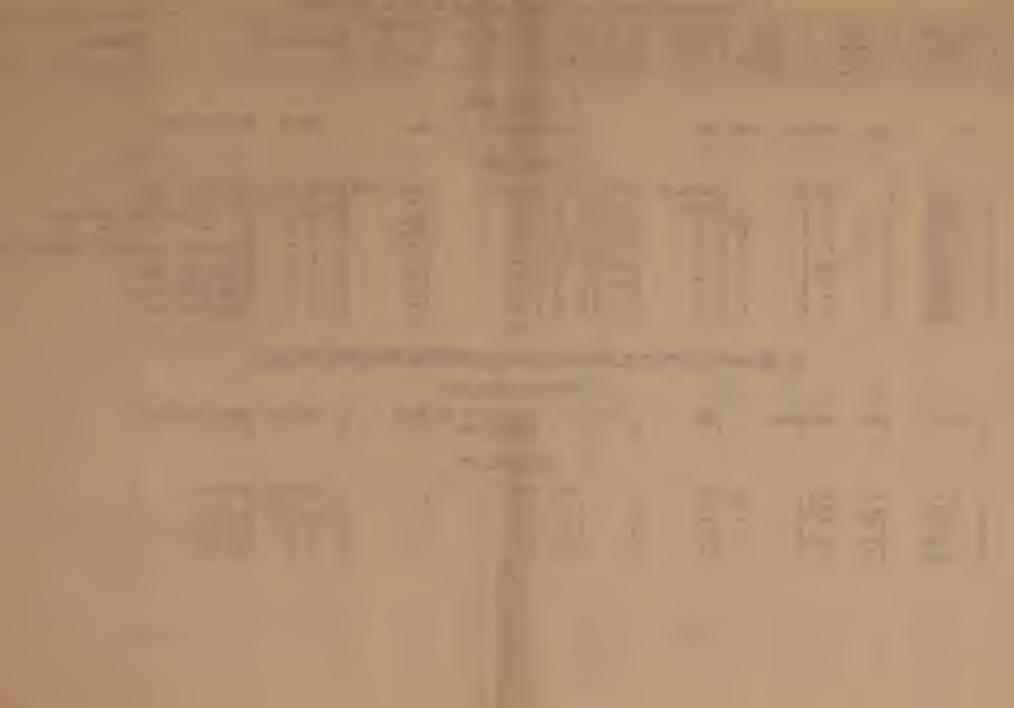
	B. Hydrologic Studies at State Experiment Stations (Continued)											
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference ² /	Remarks			
	2. Lafayette, Ind.											
1* 2* 4* 5* 6* 7* 8* 10* 11* 12* 13* 14* 15* 18* 20* 25* 31* 32* 33*	2.6 2.2 2.0 2.87 2.8 1.96 1.96 2.06 2.1 3.4 3.02 2.85 3.59 3.24 2.64 3.5 1.64 1.83 3.44	# # # # # # # # # # # # # # # # # # #	Dec. 1953 "" "" "" "" "" "" "" "" "" "" "" "" "	HF 10 10 10 10 10 10 10 10 10 10 10 10 10	0-10 4.0 0-15 4.75 0-10 5.1 0-7 2.0 0-6 2.2 0-7 3.8 0-8 2.5 0-4 2.2 0-7 2.3 1.0 0-6 2.5 0-5 3.0 0-7 2.2 0-20 5.7 0-20 5.7 0-20 6.6 0-12 6.2 0-50 3.8	Rotation n n n n n Pasture n Pastured wood- lot			Varied practices Conservation practices Prevailing "" Conservation "" Prevailing "" Conservation Prevailing Varied Conservation Prevailing Conservation Prevailing Conservation Conservation Prevailing Conservation Prevailing Conservation Prevailing Conservation			
34*	3.17	10	, n	l n		Protected "		,				
A* B* C*	1.98 1.35 1.65	Jan. 1941	Cont.	HF	6.5	Cult. Rot. Cult. Rot. Woods Cult. Rot.	Good th th		Discontinued soil loss and soil moisture studies in June 1953			
M-AI M-A M-IA M-III M-II	5.44 19.3 3.49 6.08 7.70	1939	Cont.	HF BCW14/ HF	1-24 8 1-20 5 5-15 10 5-30 15 5-30 15	3 yr · Rot. 10 11 10 10 11 10 10 11 10 10 11 10	Good	TP-67	Striperopped after 1943			



Station Kame or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope		Validity of Records	Reference ² /	Remarks
ond 🗍 4	į 27	Aug. 1944	(July 1947	HF	1	2.5 Wixed Spur, Tex.	ĮΕx .	TP-85	Well terraced
rea 1 2 3 5 6 6 11 12 14 15	11.530 9.386 10.711 5.807 5.323 8.699 8.411 8.532 8.505	1927 n n n 1930 n n		Double V Notch n n n n n	0-1 08 0-1.3 0-2	0.6 Cottor .5 n .9 n 1.6 n 1.6 n .7 n .6 n .6 n	Good (CEF) Fair Good '' '' '' '' '' ''	Texas Bul. 411 & 587 } TP-35 } """ """ """ """ """ """ """ "" """ ""	Contour 1 Rows Rows with slope 2' " " " " 3" graded terraces 2' vertical spacin Rows with slope Contoured rows Rows with slope Contoured rows Contoured rows
I	19.2	Jan. 1940		ed Studies	1.	and Water Conserwatkinsville, Ga			Bench terraced

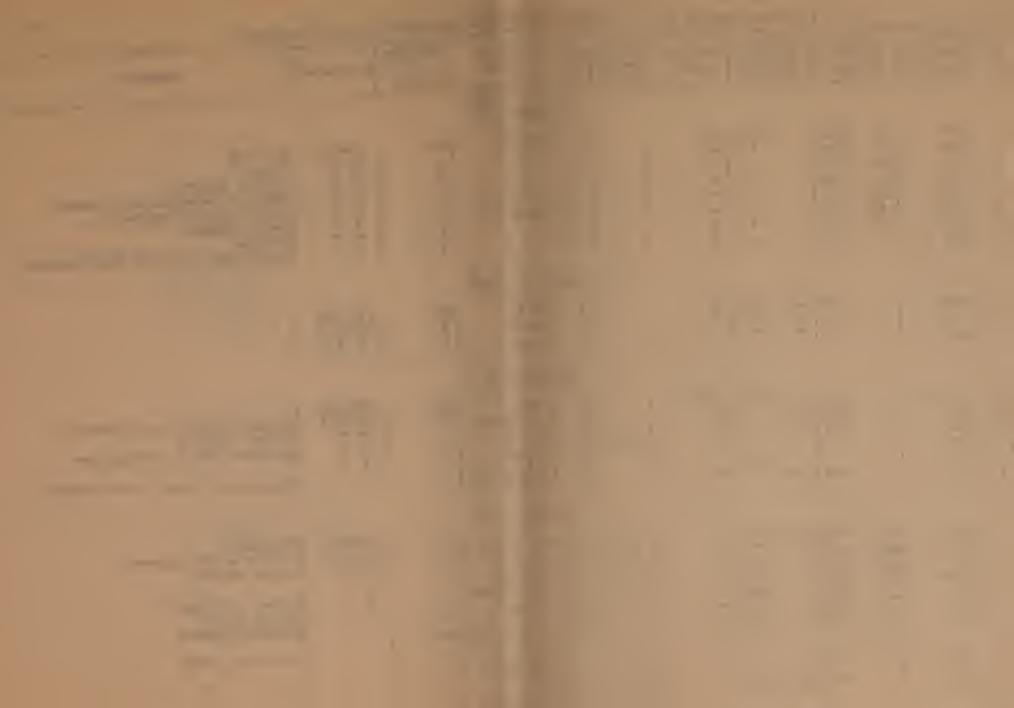
		1. Watkinsville, Ga.		
1940 Cont.	BCW	3-10 7 Cult. till '45 Good Kudzu later	TP-114	Bench terraced
		2. Clarinda, Iowa		
1972, 10	מס ורא	, 7.7 Rot.	(TB-558)	Unterra d

				20 024	
V* X* X* 2*	3.25 1.97 1.97 3.25 3.12	Oct. 1932 Apr. 1934 Oct. 1932	1941 PF	7.7 Rot. 7.8 " 9.0 " 8.3 " 10.0 "	TB-558 Unterra d 959 TP-31 Terraced Unterraced Terraced



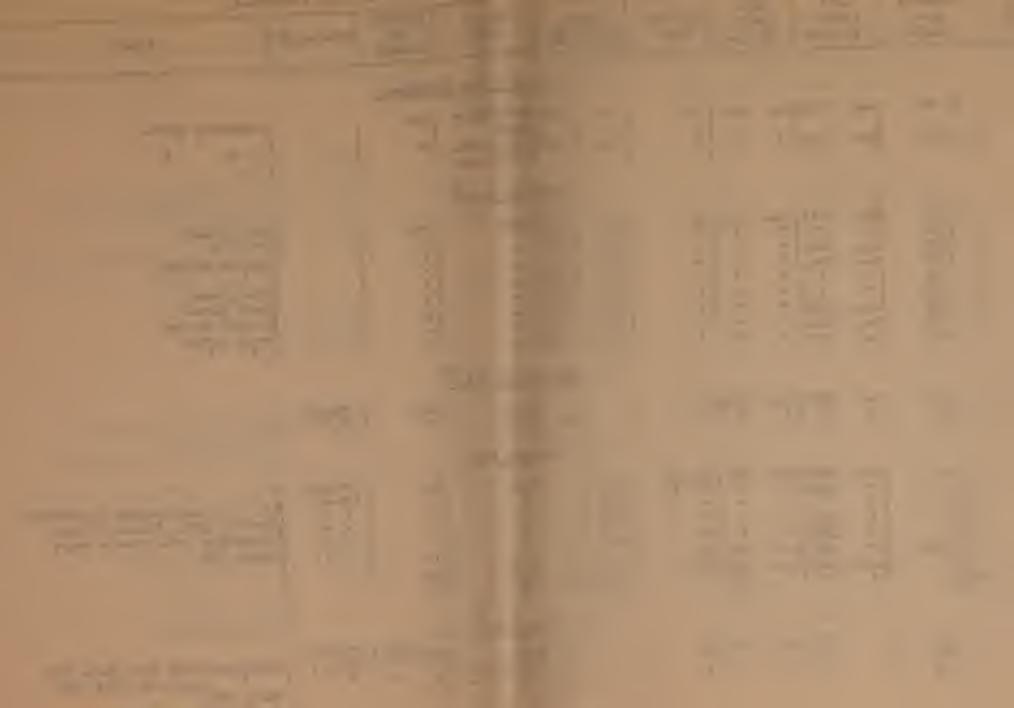
C. Watershed Studies at Soil and Water Conservation Experiment Stations (Continued)

C. Watershed Studies at Soil and Water Conservation Experiment Stations (Continued)												
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range A	Crop or Cover	Validity of Records	Reference ^{2/}	Remarks			
					3.	Bethany, Mo. 16/						
Pa-A* Pa-B* Pa-C* I-58* IJ-1* D-1* D-2* D-3*	2.03 5.56 1.97 2.11 2.13 7.51 8.03 4.49	Jan. 1934 1932 Apr. 1937 Jan. 1933 July 1933 1934 1934 1932	1943 11 11 11 11 11	PF n n n n		Pasture 1.00 Pasture 1.00 Alfalf. 2.2 C-0-C. & T C-0-W. L & T 7.0 6.7	11	(TB-883) (TP-39) (t) (t) (t) (t) (t) (t) (t) (t) (t) (t)	Terraced Normal Contour furrows Oats and lespedeza last 5 years Strip cropping, contoured Contour farmed Terraced Up and down hill with field boundary			
					4.	Zanesville, Ohio	<u>?/</u>					
Cult.* Pasture* Woods*	2.55 3.5 7 2.23	1934	Dec. 1945	PF n		4 C-W-M 4 Pasture	Good	TB-888 TP-26				
					5.	LaCrosse, Wisc.						
Unterraced* Str. Crop.* Terraced* Pasture* Past. Terr.* Str. Crop.	4.13-2.24 2.70 2.21 2.71 1.01 2.61	1932 1937 1932 "	Cont.	tr tr	20~32	C-G-H C-G-H-H-H-H C-G-H-H C-G-H-H Pasture C-G-H-H-H-H-H	10	TB-973 TP-29	Contour strips, 6 year rotation -4 year rotation Renovated 1950 - alfalfa-brome Strips on 2% grade, 6 year rotation			
100					6	. Guthrie, kla.						
Plot 13* " 15A* Pavine A Plot L* Plot J Past. Plot* W-II W=III	3.23 3.13 35.0 5.62 5.28 2.50 5.09 9.09	Sept. 1930 Aug. 1929 June 1929 Jan. 1930 Aug. 1929 " 1933 Jan. 1939	1946 1953 1947 1953 1947 1953	n n n n HF	0 -	5.13 Cot. Cowpea 3.42 4.94 4.80 Woods & Gra 4.44 Fastur. 5.65 5.19 Virgin Nation Grass 7.06 Erod. Nation Grass 4.72 Erod Nation Grass	ive Good	TB-837 TP-32 11 11 11	Unterraced Level open ond terraces Graded verraces Eroded - ungrazed Lightly grazed Moderately grazed Moderately grazed			



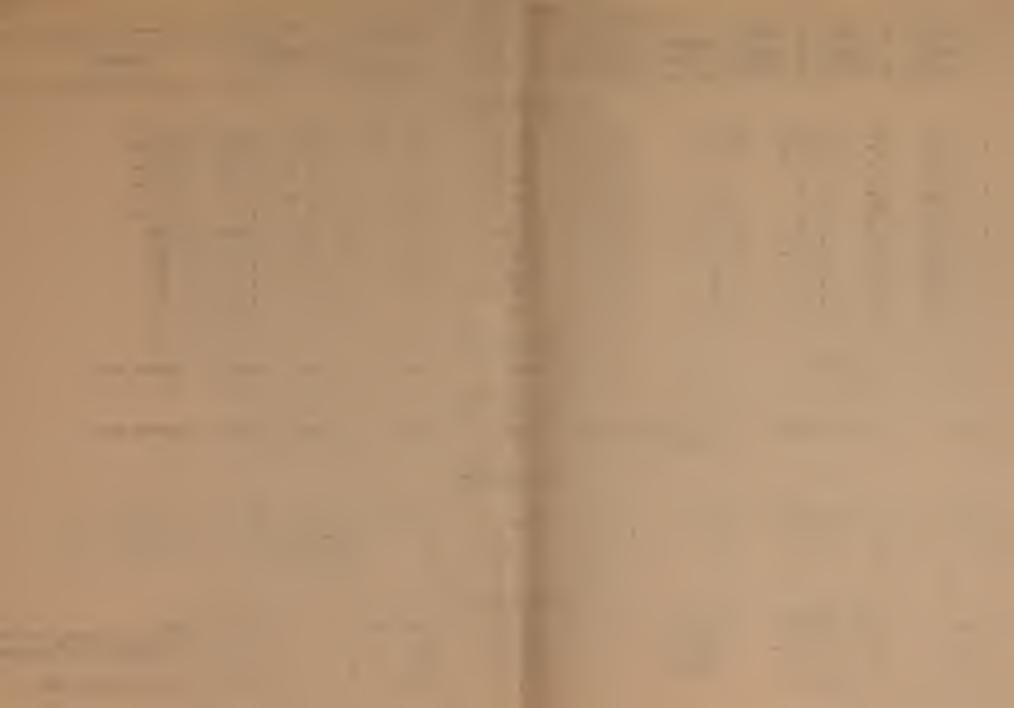
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		C. Wate	rshed Stud	ies at So	il and W	ater Cor	sorwation Ex	periment St	ations (Cont	inued)
Station Name or Number	Drainage Area (Acres)	Date Record Started		Station Type	Slo _I		Crop or Cover	Validity of Records	Reference2/	
						6. Guth	ie, Okla. (C	Continued)		
M-AI	15.69 94.80	Jan. 1942 Me	- 1	HF	3-5	6.01 V	rod. Native rass ir. & Erod. ative Grass	Good		Moderately grazed
					7.	Cherok	ee, Okla. 18/			
1 2 3 4 5 6 7 8	2.23 4.82 8.30 4.35 7.85 1.75 1.99 4.82 8.50	Jan. 1942 Dec. 1941 " " Jan. 1942 May 1940	1951 11	HF W tt tt tt tt tt tt tt	2-3 2-3 1-3 1-3 1-3 2-3 1-3 1-3	2.93 W 2.86 2.16 1.95 1.52 2.36 2.14 1.80 1.89	heat n n n n n	Good 11 11 11 11 11 11		Disc plowed Stubble mulched Disc plowed Basin listed Stubble mulched Basin 1.sted
					8.	States	ville, N. C.	9/		
C-8* W-23*	5.12 6.0	Jan. 1933 J	une 1938	PF		7 18.6	Cult. Noods	Good	TB-873	
						9. Pul	lman, Wash.			
M-X A-IX A-II* A-II* M-AII* M-AI* M-AI* M-AI* M-AI*	2.33 14.4 15.2 68.2 762 16,700 879 4430	July 1931 J " 1932 " 1931 " 1934 " 1932 Sept. 1941 "	n n n n n n n n n n n n n n n n n n n	PF-BCW th th th th th th th th th th th th th	0-20 0-40 0-30 0-50 0-50 0-50	16 14	Culton Mixed Culton Her, Tex 8	Good	TB-860 TP-43 in in in in	Soil loss measurements discontinued June 30, 1938. Parshall flumes replaced by broad crested weirs summer 1939
No. 3* No. 4*	7.94 6.05 2.64	1931	June 1947	PF u			Woods Conton Cult.	Good (RWB	TB-916) TP-41	Unterraced 5.75A until March 1939 strip crop 1.73A until March 1939



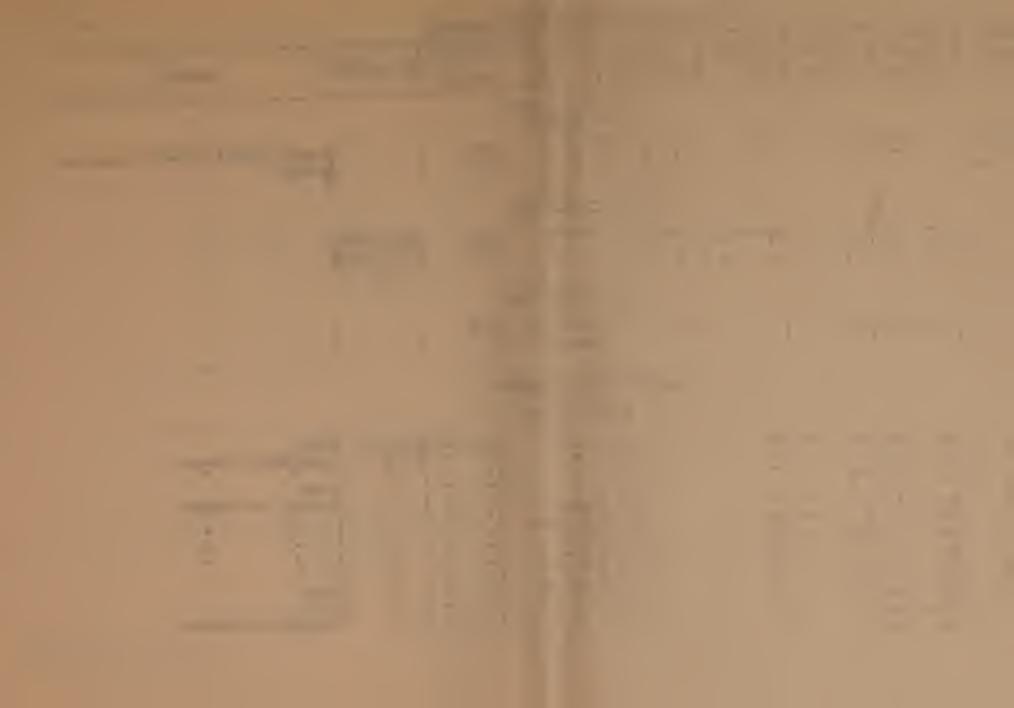
		C. Watershe	d Studies at	Soil and Water	Companyotion Ex	periment St	ations (Cont	cinued)
Station Name or Number	Drainage Area (Acres)	Date Date Record Recor Started Stopp	d Station	Slope Range Av.	Crop or Cover	77.74.44	Reference2/	Remarks
Number				11. н	ays, Kansas			
6-L* 1.61-AG*	2.85	1934 Dec. 1	1938 PF	4~7 5-8	Mheat Native Grass	Good	TP-37	Unterraced Lightly grazed
1102 55					Springs, N. Mex		ESR-9 ²⁰ /	
1* 2* 3* 4* 5* 6* 7* 8* 9* 10* 11* 12* 13* 14* 15*	187 610 1,325 2,980 4,235 5,550 8,495 20,910 4,510 17,220 46,080 2,550 3,360 3,560 4,740	Feb. 1938 June 1936 Apr. 1938 May 1939 Feb. 1938 May 1937 June 1936 May 1936 Feb. 1938 May 1937 May 1936 Apr. 1936 " July 1936 "	1943 Cippolet PF CM N N N N N N N N N N N N N	35.6 29.6	Ponderosa Pinon. Junip. H H H H H H H H H H H H H H H H H H	Ques. (HEM) IT II II III II II II III II II II III II II II III II II II III II II II III II II II I	19 19 19 19 19 19 19 19 19 19 19 19 19 1	
	., .,			13. Arr	not Forrest, N. Y			Summers only 1950-53
1 2 3 4 5	17.94 9.0 9.0 17.86 8.6	1941	1947 HF	A-BB BB N N N N N N N N	Mature Woods	Good (HWI)		Summers 511y 1500-00 11 1943-47, 50-53 11 1950-53 11 1943-47, 50-53
Reservoir S.W. Pond	#2 153 44	Apr. 1941 Cent.	Calib. Spillwa) 1-10 2	.5 Mixed	Good	1	1 3

				D	· Miscellane	ous Watershed S	Studies		- 12 -
Station Name or Number	Drainage Area (Acres)	Date Record Started	Date decord Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference ² /	Remarks
					1. Elm	wood, Ill <u>6</u> /			
WB-1 WB-2 WB-3 WB-4 WB-5 WB-6 WT-1 WT-2 WT-3 WT-4 WT-5 WT-6	1.276 1.282 2.606 2.766 1.934 2.408 2.023 1.832 2.404 2.057 2.763 5.348	Mar. 1945 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 1	Oct. 1946 19 19 19 19 19 19 19 19 19 1	HF 10 10 10 10 10 10 10 10 10 1	1-3 1-3 1-3 1-3 1-3 1-3 4-7 4-7 4-7 4-7 4-7 4-7	Pasture Corn Pasture Corn Pasture Corn Pasture Corn Pasture Corn Pasture Corn Corn Corn Corn Corn Corn Corn Corn	Ex. (HNH) n n n n n n n n n n n n n	TP-68 19 19 19 19 10 10 19 10	Berwick silt loam n n n n n n n n n n n n n n n n n n n
					2. <u>Co</u>	lby, Wisc .7/			
W ∞1	350	Sept. 1948	Cont.	BCW	1-5 3	Mixed ambra, Ill .7/	Fair	None	(April to November only
W-1	670	June 1952	Cont.	Box inlet		Mixed	Fair	None	March to November only
					4. <u>Iow</u>	a City, Iowa			
Ralston Creek	3.01 sq. mi.	July 1924	Cont.	CM	10	Mixed	U.S.G.S.	Univ. of Iowa Bul. 9 series 328 Dec. 1936	
					5. Dutche	ess Co., N. Y.3/			
W-I W-II Pond 4 Pond 6	1570 76.4 30 95.9	Jan. 1953 Nov. 1950 "	tų.	CM BCW Trickle Tube		Mixed Mixed "	Fair (HWH) Ex. " Fair " Good "		Dairy ferming Strip crops, meadow, pasture, wildlife " pasture with 2 acre pond Includes W-II and 9.3 acre pond



D. Miscellaneous Watershed Studies (Continued)	D.	Miscellaneous	Watershed	Studies	(Continued)
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				D. Misc	ellaneous Wat	ershed Studies	(Continued)		
tion te or	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slope Range Av.	Crop or Cover	Validity of Records	Reference2/	Remarks
iner .	(4000)			1		unton, Va_6/	Records	<u> </u>	
	0.61 sq. mi. 3.80 " " 9.60 " "	1948	Cont.	CM 19 19	2-25	Mixed	Good		Contain "sinks" typical of limestone country
					7. <u>Stil</u>	llwater, Okla.			
	15 90 210	June 1951	Cont.	Road Culv	5-10 5 " 5 " 5	Pasture	Good "	(Okla. A&M) (Tech. Bul. (T-51)	
					8. <u>Ve</u>	ro Beach, Fla.			
n Rive	r 47000	Aug. 1950	Cont.	CM	0-5 1	Groves and Pasture	Good	1	
					E. Experi	mental Watersh	eds		
					1. <u>C</u>	oshocton, Ohio			
102 ⁴ 104 [*] 129 [*] 135 [*] 130 [*] 107 [*] 131 [*] 132 134 [*] 123 [*] 115 [*] 127 [*] 109 [*]	1.26 1.33 2.71 2.69 1.63 2.59 2.21 .59 .92 1.37 1.61 1.65 1.69	19 19	9 '	HF PF HF	20.7 18.6 15.6 21.6 15.6 21.6 12.6	Meadow Reforested Wooded Reforested Reforested Rotation """ """ """ """ """ """ """ """ """	Good (LLH n n n n n n n n n n n n n	(Hydr. Bul. 1 & 4) 1 & 4) 11 11 11 11 11 11 11 11 11	Check Conservation treatment Check Conservation treatment """ """ Check Mulch Conservation treatment

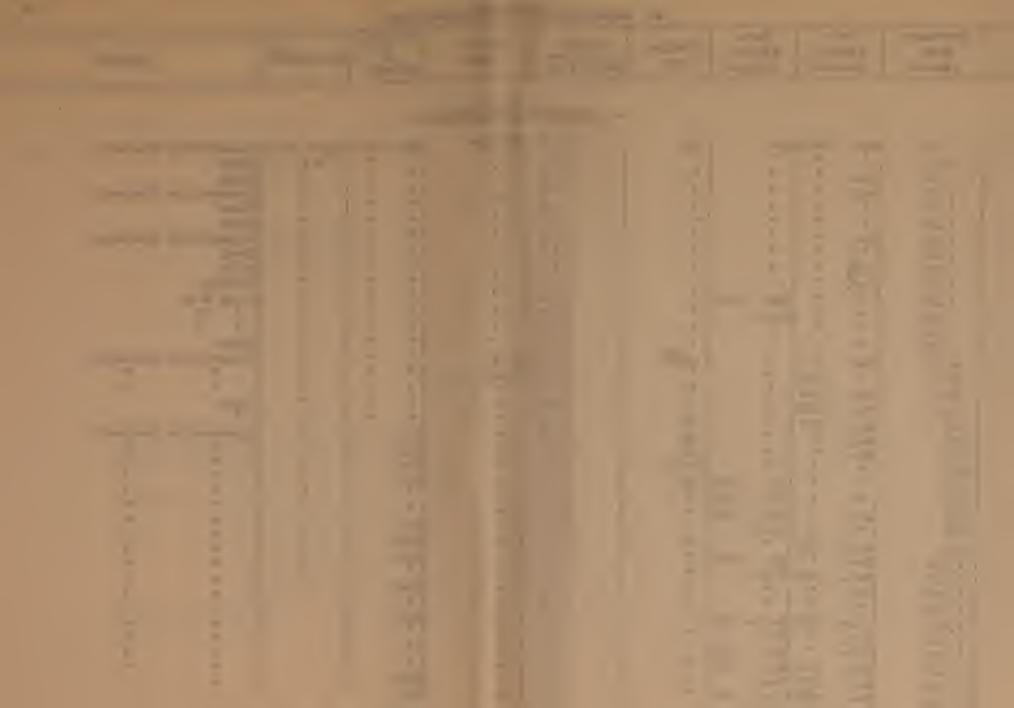


E. Experimental Watersheds (Continued)

	Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slo _l Range	Av.	Crop or Cover	Validity of Records	Reference2/	Remarks
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1. Coshocton, Ohio (Continued)

103*	1 .65	Mar.		Cont.	ı	HF	11.3	Rotati	on	[Good	(LLH)	(Hydr. Bul.	lConservati	on treatment
110*	1.27	19	U)	11		11	13.0	18		19	17	1 & 4)	Check	on or or online
128*	2.68	June	tt .	18		11	13.6	12		11	11	44	Mulch	
113*	1.45	Aug.	19	18		11	9.3	19		18	H ,			on treatment
118*	1.96	11	18	11		19	9.6	11		11	19	11	Check	on creatment
111*	1.18	tt.	U)	8.0	i	19	7.5	th.		tt	t)	10	Mulch	
121*	1.42	Mar.	19	18		11	15.8	- tt		18	18	11		on treatment
106*	1.56	tt t	U)	18		11	14.3	ti ti		u	18		Check	on or eachient
188 *	2.05	July	U)	18		10	9.2	H		11	LQ.		Mulch	
191*	1.20	Aug.	tt.	LQ.		. 19	9.4	tt		u	Ħ		Krilium	
124	2.07	tt T	18	June :	1947	11	12.9	10		tt	ũ		Strip Crop	
185*	7.40	n	Ut.	Cont.	1	ų	13.6	10		tt	ii	iè	11 11	
187*	7.20	n	18	11		19	15.5	12		tt	11	ti.	11 11	
192*	7.59	tt	19	- te		11 07/	15.8	18		th.	· u	ñ	Check	
172	43.6	Jan.	u u	tt.		DP_23/	22.8	Woods		1tt	11			on treatment
169	29.0	tt	1940	tt.		tt	15.7	Mixed		11	- te	11	# #	or eachier c
177	75.6	Dec.	1939	19		11	15.7	n		10	19	11	tt	19
183	74.2	Feb.	1938	11	-	t)	14.8	11		112	u u	te .	Check	
196	303	Apr.	1937	ų		CM	14.0	19		11	11	tt.	II II	
10	122	Aug.	tt.	u		DP	(15)	tt t		Good		ų	Conservati	n treatment
5	349	Mar.	ų.	19	-	CM	(15)	18		Fair		tt.	U VACIO	W CI GA CHIGH C
11	292	19	u u	11		V Weir	(15)	th.		Good	1	u	tt	t)
20	373	11	19	Aug.	1943	CM	(15)	th		Poor		u u	tt.	19
9	377	11			1947	11	(15)	H.		10		te.	11	tr
13	439	Aug.			1943	tt	(15)	10		19		t p	11	t y
91	293	n	11	Cont.		Ħ	(15)	19		Fair		th.	11	th.
92	920	Sept.		tt		ų	(15)	11		Good	i	u	Ħ	tt
93	1,078	Nov.		Apr.	1944	11	(15)			Fair		u lu	11	tr.
94	1,517	Feb.		Cont.		11	(15)	tt		tt.		u	11	ij
95	2.569	Jan.	11	tt		**	(15)	19		Good	ł	th	U)	11
97	4,581	Ħ	tł .	17		11	(15)	II		18		u }	U)	Ŋ
297	6,800	June	1938	Sept.	1946	31	(15)	tł		Poor			19	n
497	3,520	Oct.		Feb.	10	11	(15)	H		18			19	t y
697	4,010	June			1944	11	(15)	n		19			Ħ	18
993	11,820	July	1939	-	1946	tt .	(15)	19		11			. "	18
994	17,540	Nov.		Cont.	-313	it	(15)	IR		Good		i	n	t e
997	31,340	Dec.	1938		1947	tt	(15)	tt	,	Poor	1		17	19
	101,010	10000	1000	J 4110										

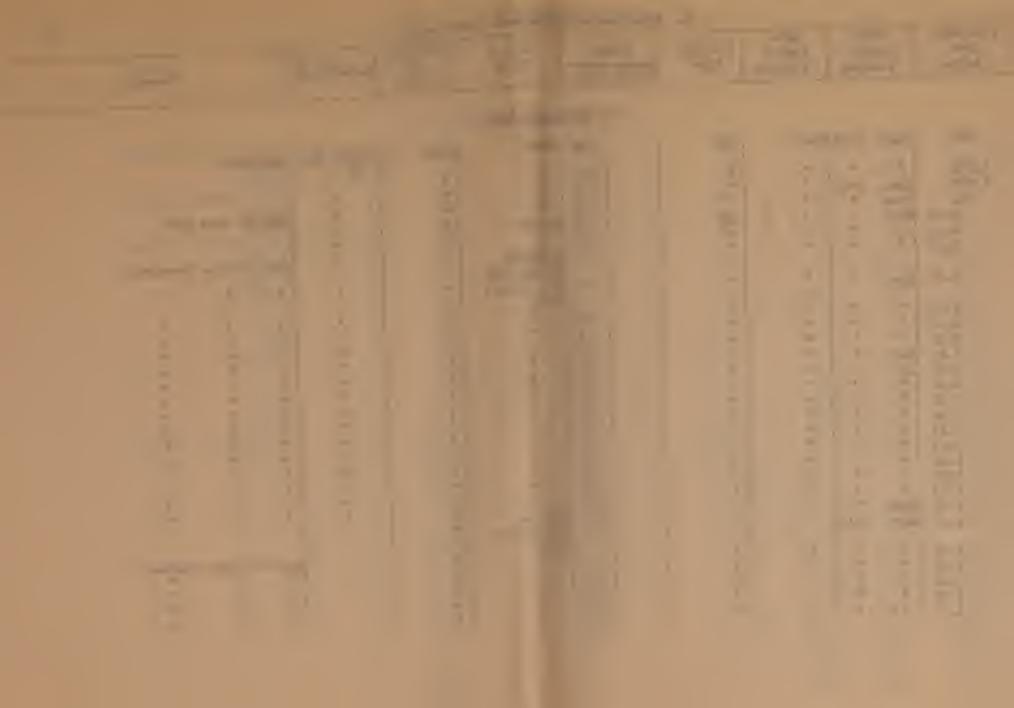


E. Experimental Watersheds (Continued)

Station Name or Number	Drainage Area (Acres)	Date Record Started	Date Record Stopped	Station Type	Slo _l Range	Av.	Crop or Cover	Validity of Records	Reference2/	Remarks

2. Hastings, Nebr.

3	481	July	1938	Cont	o	CM	5.4	Mixed	Good	(Hydr. Bul. 3)	Untr	eated	
8	2,086	to	11	15		tt	5.6	ц	u	3)			
11	3,490	Apr.	1939	18		n	5.2	tt	น	tt			
5	411	June	11	18		u	5.9	It.	u	11	68%	ter aced	1040
1-H	3.62	Mar.	11	7.8		HF	7.2	Meadow	u	10	100/8	cer aced	1949
2-H	3.40	tt	tţ.	18		n	6.7	11	เน	St.			
3-H	3.95	11	tt	18		n	6.1	Rotation	iq.	tt	147.00	+:11	A
0 II								Single Crop			AISO	critage	treatment
4-H	3.84	Apr.	- 12	18		11	6.2	Rot. Single	ıı	in in	11	11	11
1 11	1	Jan .						Crop					
5-H	3.93	11	11	18		n	4.9	tt	18	u	u	ų	19
6-H	4.16	u	11	11		n	4.4	tt.	tt	11	111	tt.	19
7-H	4.15	lt .	11	u		n	4.6	10	11th	u	11	tr	tt.
8-H	3.93	Mar.	18	u		n	3.0	n	11	11	11	Ŋ	11
9-H	3.78	Apr.	ii ii	11		n	4.8	th.	u	it.	11	tt	tt
10-H	3.98	û	Ħ	15		n	3.9	18	n	u	18	u	u
11-H	3.85	18	- 11	19		u	4.5	14	19	· u	11	tt.	ST.
12-H	3.66	n	F \$	11		n	5.8	it	tt.	ų	11	H	tt
13-H	3.41	11	tt .	11		u	5.6	Td.	11	it it	lt.	u _t	ŋ
14-H	3.35	10	17	11		u	5.4	tt t	19	ų	tt	tt.	tt.
15-H	3.62	11	······	11		n	5.8	ut.	Th.	n	111	u	tt
16-H	3.57	111	tt	u u		n	4.6	u	11	n	Ħ	Ð	tt
17-H	3.96	18	H	28		n	7.0	18	u	tt	tt	18	11
18-H	3.74	July	19	- 1		14	4.9	Pasture	н	tt	12	1	18
19-H	4.10	Mar.	1941	18		u	5.7	Rot. Single	i ii		1		
								Crop					
20-H	4.05	19	83	19		n	6.1	n 	tt		Also	tillage	treatment
21=H	3.94	11	19	3.8		11	5.7	11	11		12	1	it.
22-H	3.99	10	11	68		tt	3.8	19	18		tt	14	il.
23-H	4.06	it .	11	1		19	4.5] It] n	11		11	18	11
24~H	4.21	l II	11	19		in I	5.0	"	l n	t .	th .	11	u



E. Experimental Watersheds (Continued)

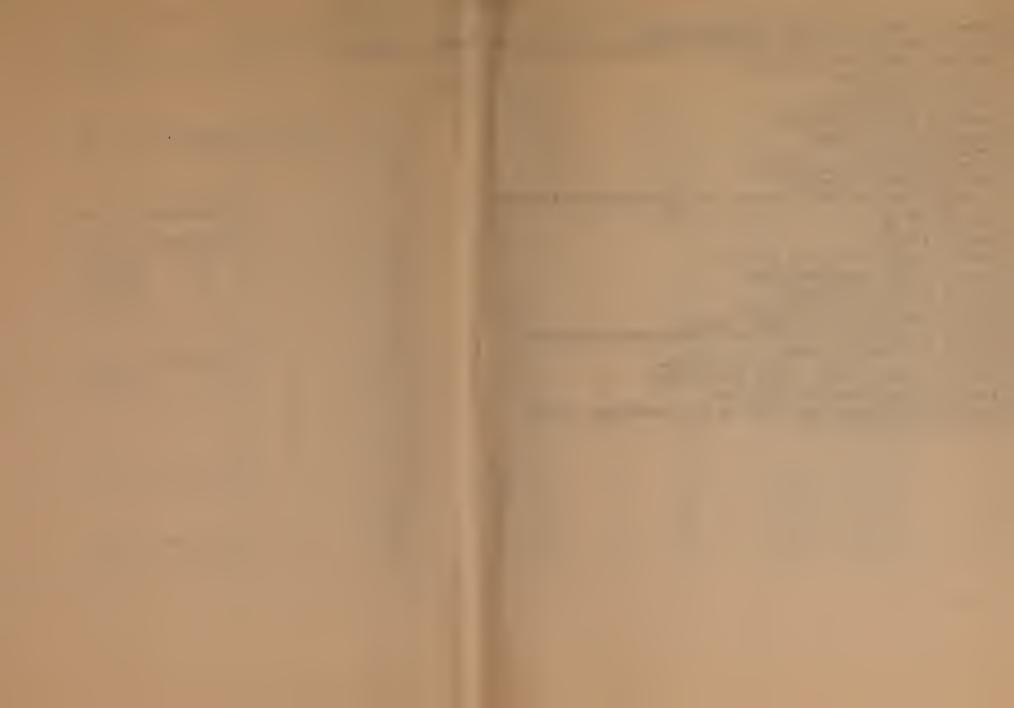
					•	1 2001 511022 (1	To the model should (602-1-103)									
Station	Drainage	Date	Date	Station	01000		Validity									
Name or	Area	Record	Record		Slope	Crep or	of	Reference2/	Remarks							
Number	(Acres)	Started	Stopped	Туре	Range Av.	Cover	Records	1	I CHILL ES							
	(1	<u>'</u>	1 0 1			1	<u> </u>							
3. Waco, (Riesel) Tex.																
24 /																
A*	42.0	May 1938	July 1943			Mixed	Ex. (RWB)	(Hydr. Bul.								
C	579	Dec. 1937	10 10	CM	2.04		Good "	2 & 5 TB	Reestablished Dec. 1948							
A* C D* G J* Z*	1,110	Nov. "	15 16	25/	2.10		19 19	1022)	n n							
G _.	4,380			ACM ²⁵	2.06		Fair "	n								
J.	5,860	June "	1 10	TH .	2.14		Good "	n								
Z	310	May 1939	50 10	CM	2.34		16 16	10								
Υ*	309	Apr. 1937		19	2.41		10 10	π	Reestablished Apr. 1946							
Y-2	132	Oct. 1938	Cont.	PW	2.57		Ex. "		1 2020							
Y-4	79.9	10 10	July 1943	10	2.86	3 10	Good "	n	Reestablished Dec. 1945							
Y-6*	20.9	Sept. "	18 18	10	3.21	Cult.	Ex. "	n	* Apr. 1947							
Y-7	40.0	Dec. "	11 11	n	1.87	7 4	Good "	17	May 1947							
Y-8	20.8	Mar. 1939	19 19	. 19	2.24	n n	Ex.		Dec. 1948							
Y-10*	21.0	July 1938	19 19	18		Cult.	Ex. "	11	Apr. 1946							
W-1*	176	June 1937	Cont.	n		Mixed	19 19	te	. "R pr.» 1340							
W-2*	130	June "	u	11	2.45		n n	19								
W=6*	42.3	May 1939	July 1943	11	2.03		Good "	10								
₩-8*	40.4	July 1938	a w	11	2.28		Fair "	n	Reestablished Dec. 1945							
W-10*	19.7	19 19	11 19	19	2.07		Good "	19	n Apr. 1946							
SW-2*	2.70	Apr. "	u u	HF	1.91		Good "	11	wbr. 1340							
SW-3*	3.09	Dec. "	n n	19	1.91		n	19								
SW-5*	3.09	Oct. "	11 11	n	3.27		Fair "	in								
SW-6*	3.04	Nov. "	10 10	n	3.18		14 14	n								
SW-7*	3.15	Mar. "	10 10	n	1.67		Good "	H								
SW-11*	3.23	19 19	n n	19	.94		19 19	**								
SW-12*	2.97	Dec. 1937	20 10	n		Pastur	Ex. "	19	Reestablished May 1947							
SW-13*		Mar. 1938	19 19	n		Cult.	Fair "	и .	1000 vablibiled may 1017							
SW-14	3.02	1939	19 19	119	1.55		Good "	n ·								
SW-16*		Sept.1937	n n	PF	2.58		11 11	n								
SW-17*	2.99	Feb. 1939	19 19	HF	1.83		11 27/	10	Reestablished Dec. 1947							
SW-18*	3.04	Apr. 1938	10 19	n	1.14		"	19	Reduce the same same same							
311 20	0 10 1	API . 1500			1 1011		4									



Footnotes

Records at the Station unless otherwise noted. TP = Soil Conservation Service Technical Publication. TB = U.S.D.A. Technical Bulletin. Records at College Park, Maryland. Current Meter Station. Broad Crested weir. Records at Blacksburg, Va. Records at Madison, Wisconsin. Records at Riesel, Texas. Records in Archives. Records in Albuquerque, New Mexico. Records in Portland, Oregon. 11/ An asterik indicates that some soil loss measurements are available. 13 H. type Flume. 14/ HF until May 1940. 15, Parshall Flume. Records located at Columbia, Missouri. 16/ T.F. = 4" x 20" trapazoidal flume. Records at Guthrie, Oklahoma. Records at Raleigh, North Carolina. 19 Soil Conservation Service Progress Report. 20/ Original Records lost - transcripts at Albuquerque, New Mexico. 21/ Records at Columbia, Missouri. 22 Parshall flume with small flume for low flows. 23 Parshall flume with weir control for low flows. Auxiliary slope records for high flows. 25/ 26/ Conservation practices established on all Y watersheds in 1943.

Record excellent since 1947.



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